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Root's Nurseries

Incorporated

MANHEIM

LANCASTER COUNTY, PENNA.



CATALOGUE

SPRING 1930



Established 1895

OUR PERSONAL PAGE

This is not "just another catalog," but one that is built around the idea that we are at your service.

A new spirit has taken root in the home life of America today. The Outdoor Living Room is now taking the place of the old fashioned "back yard." It is being planned very much like a room indoors. Trees, shrubs, and evergreens give privacy and screen objectionable views. Grass forms a soft carpet and perennials and flowers add color to the room. Where practical it should be an extension or in view of the indoor living room. Here the youngest as well as the oldest member of the family may enjoy hours at a time in rest and relaxation. Modern planting is now being done instead of the old round or square flower beds or iron ornaments which made the only decorations in the front yards of years gone by. This will not only give the new home the proper setting, but will greatly improve the appearance of the older place. Every home large or small can have some of these modern plantings. Our Landscape Department is at your service to help you plan and also do the planting if you wish.

In every department of our business, we are prepared to give you even better and finer service than we have rendered before.

ROOT'S NURSERIES, Inc.

J. W. Root, Pres. & Treas. B. R. Kreider, Vice Pres. C. K. Root, Sec.

WHAT YOU WILL FIND IN THIS CATALOGUE

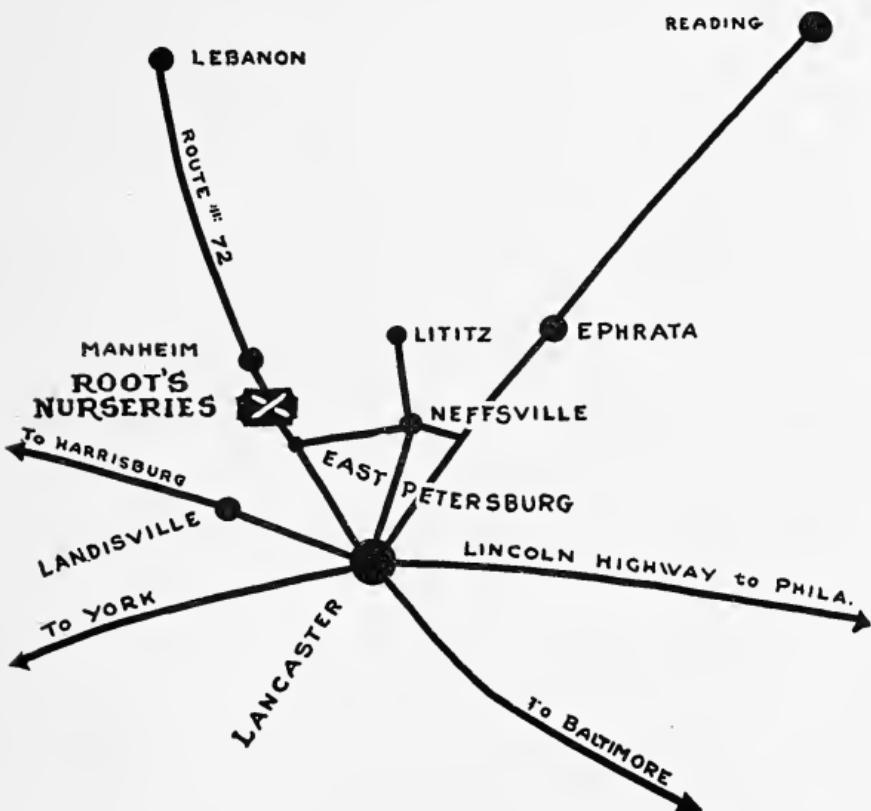
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A descriptive booklet on "How To Plant" will be sent with each order.



Above picture shows entrance to our Office and Sales Ground.



TELEPHONE—LANDISVILLE 104-R-13

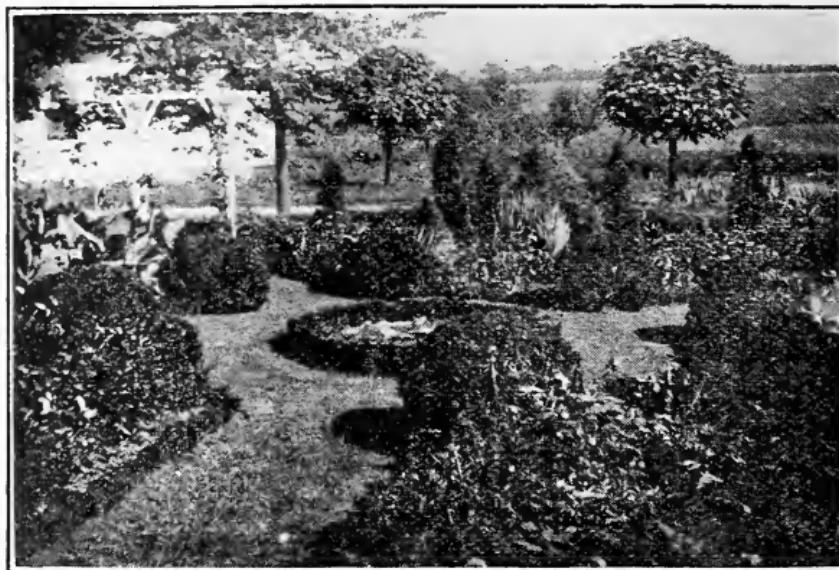
HOW TO REACH THE NURSERIES

Our Nurseries are conveniently located on Route 72, or the Lancaster-Lebanon Highway. The newly built concrete road, which is the relocation of the Highway, passes through one of the farms on which we grow Nursery Stock.

Whether you are traveling south from Manheim or north from East Petersburg on this road, you cannot miss our signs placed on the side to the east. After you see one of these signs you will be directed at the next intersection over our private road to the office and sales grounds.

If you are not acquainted with the location of our Nurseries, a little study of the above map will help you to get to us with very little, if any, trouble.

Visitors welcome, but no business transacted on Sundays.



One Type of Formal Garden.

EVERGREENS

These Evergreens have been transplanted frequently. Each time they have been given ample room for proper growth. Every one is sheared into a symmetrical shape. Freshly dug in the nursery for your individual order. Balled and burlapped.

All of the following varieties may be trimmed and used for Foundation planting, etc., with the exception of the *Abies* or Firs, the *Piceas* or Spruces, and the *Pinus* or Pines. (Except *Mugho* Pine which is dwarf.) These varieties will grow large and should be used for specimens, screens or for massing where there is plenty of room for them to develop.

Scientific Name	Common Name
ABIES—FIR	
ABIES concolor , 70'-80'	White Fir
Grows quickly and forms symmetrical, beautiful specimen.	
Large, gray-green needles.	
	Each
2½ to 3 ft.	\$ 6.00
3 to 4 ft.	9.00
4 to 5 ft.	12.00
—balsamea , 60'-70'	Balsam Fir
15-18 in.	2.00
18-24 in.	2.50

JUNIPERUS—JUNIPER

JUNIPERUS chinensis , 15'-20'	Chinese Juniper
A very hardy, bushy and pyramidal growing variety. Bears small berries of violet brown color when ripe.	
18-24 in.	3.50
—pyramidalis , 15'-20'	Column Chinese Juniper
Grows rapidly, forming tall narrow column of gray-green foliage. Spire-like effect. Very useful in evergreen planting.	
3 to 4 ft.	7.00
—pfitzeriana , 5'-6'	Pfitzer Juniper
Broad, bushy habit. Gray-green foliage, giving feathery appearance. A most adaptable hardy evergreen; highly recommended.	
12 to 18 in. spread.	2.00
18 to 24 in. "	3.00
2 to 2½ ft. "	5.00
2½ to 3 ft. "	8.00
3 to 4 ft. "	10.00 to 12.00

MANHEIM, PENNSYLVANIA.

Scientific Name	Common Name
— sargentii (green), 1½'	Sargent Juniper
Evergreen. Prostrate habit, grass-green foliage. A valuable ground cover and rock plant.	
12 to 15 in. spread.....	Each 3.00
15 to 18 in. ".....	4.00
18 to 24 in. ".....	5.00
— communis aurea , 1'–1½'	Golden Common Juniper
Low spreading habit. Golden foliage, particularly bright in spring.	
18 to 24 in. spread.....	3.00
2 to 2½ ft. ".....	5.00
— canadensis , 2½'–3'	Canada Juniper
Forms a low vase-shaped bush. Leaves dark green above, bluish underneath.	
18 to 24 in.....	3.00
2 to 2½ ft.....	5.00
— suecica nana , 3'–3½'	Dwarf Swedish Juniper
A narrow, compact column.	
12 to 15 in.....	1.50
15 to 18 in.....	2.00
— excelsa stricta , 4'–5'	Spiny Greek Juniper
Compact, well-shaped pyramid. Foliage gray-green. Most useful for formal effects.	
10 to 12 in.....	1.50
12 to 15 in.....	2.00
15 to 18 in.....	3.00
18 to 24 in.....	4.00
— horizontalis (sabina prostrata) , 1'–1½'	Creeping Juniper
Branches trail along ground. Adapted to rock-work and ground covering.	
18 to 24 in.....	3.00
2 to 2½ ft.....	4.00
— douglasii , 1'–1½'	Waukegan Juniper
Long branches trailing along ground. Steely-blue foliage. A splendid ground cover; also effective among rock. Distinct purple hue in winter.	
15 to 18 in.....	2.50
18 to 24 in.....	3.00
— japonica , 3'–4'	Japanese Juniper
Evergreen. Low grower, spreading branches, dark green, scaly leaves. Adapted to rock planting. Grows slowly.	
18 to 24 in.....	4.00
2 to 2½ ft.....	5.00
— sabina , 6'–7'	Savin Juniper
Dense, dark green foliage. Spreading branches, forming irregular vase-shaped bush.	
10 to 12 in.....	1.50
18 to 24 in.....	3.00
2 to 2½ ft.....	4.00
— squamata meyeri , 3'–4'	Meyer Juniper
A beautiful deep blue evergreen of dwarf habit, very desirable.	
12 to 15 in.....	5.00
— virginiana glauca , 15'–20'	Silver Redcedar
Bluish-gray foliage. Distinct.	
2 to 2½ ft.....	4.00
2½ to 3 ft.....	5.00
3 to 3½ ft.....	6.50
3½ to 4 ft.....	7.50

ROOT'S NURSERIES, INC.

PICEA—SPRUCE

Scientific Name	Common Name
PICEA canadensis albertiana, 25'-40'	Blackhills Spruce
Hardy, compact and bushy growth. Bluish tint, bright color.	Foliage green to bluish tint, bright color.
12 to 18 in.	1.75
18 to 24 in.	2.50
—excelsa, 80'-100'	Norway Spruce
Has dark green foliage and grows rapidly. Makes a good windbreak, and also lends itself well to trimmed hedges.	
12 to 18 in.	1.25
18 to 24 in.	1.50
2 to 2½ ft.	2.25
2½ to 3 ft.	3.25
3 to 4 ft.	4.00
4 to 5 ft.	5.00
—pungens glauca, 60'-80'	Blue Colorado Spruce
Branches in distinct whorls, forming handsome lawn specimen.	
12 to 18 in.	3.00
18 to 24 in.	5.00
—kosteri	Koster Blue Spruce
10 to 15 in.	7.50
15 to 18 in.	10.00
18 to 21 in.	15.00
2 to 2½ ft.	20.00
2½ to 3 ft.	25.00
3 to 3½ ft.	30.00
3½ to 4 ft.	35.00

PINUS—PINE

PINUS montana mughus, 2½'-3'	Mugho Pine
Forms a round-topped clump. Useful for rock planting and foundation work.	
9 to 12 in.	2.00
12 to 15 in.	3.00
15 to 18 in.	4.00
18 to 24 in.	5.00
—nigra, 60'-70'	Austrian Pine
Rich, dark green. Vigorous, dense grower. Good for background.	
18 to 24 in.	2.00
2 to 2½ ft.	3.00
2½ to 3 ft.	4.00
3 to 4 ft.	5.00
4 to 5 ft.	7.50
—strobus, 80'-100'	White Pine
Probably our most adaptable and useful pine. Very picturesque when old.	
18 to 24 in.	2.00
2 to 2½ ft.	3.00
—sylvestris, 25'-30'	Scotch Pine
A rapid-growing, handsome tree, especially when young. Good for windbreaks.	
18 to 24 in.	2.00
2 to 2½ ft.	3.00
2½ to 3 ft.	4.00
3 to 4 ft.	6.00
5 to 6 ft.	8.00

PSEUDOTSUGA—FIR

PSEUDOTSUGA douglasii, 70'-80'	Douglas Fir
Very hardy; dark bluish-green coloring. Prefers well-drained situation.	
12 to 18 in.	1.50
18 to 24 in.	2.50
2 to 2½ ft.	4.00
3 to 4 ft.	5.00



RETINOSPORA OR CHAMAECYPARIS—CYPRESS

Scientific Name	Common Name
RETINOSPORA obtusa compacta, 2½'-4'	Football Cypress
Almost spherical in shape. Good green throughout winter.	
Very useful in foundation or formal work. Each	
15 to 18 in.....	3.00
18 to 24 in.....	4.00
— pisifera, 25'-35'	Sawara Cypress
Quick grower. Loosely pyramidal.	
18 to 24 in.....	2.00
2 to 2½ ft.....	2.50
2½ to 3 ft.....	3.50
3 to 3½ ft.....	4.50
— aurea, 25'-35'	Golden Sawara Cypress
Foliage bright yellow, especially in spring.	
18 to 24 in.....	2.00
2 to 2½ ft.....	2.50
2½ to 3 ft.....	3.50
— filifera, 15'-20'	Thread Branched Cypress
Has long, stringy, drooping branches and bright green foliage. Graceful and decorative.	
12 to 15 in.....	1.50
15 to 18 in.....	2.00
2 to 2½ ft.....	3.50
— aurea, 10'-12'	Golden Thread Branched Cypress
Very bright, conspicuous, golden yellow. Grows more slowly than preceding.	
10 to 12 in.....	2.00
12 to 15 in.....	3.00
— plumosa, 25'-35'	Plume Cypress
Forms a dense cone of fine texture. Useful for shearing into formal shapes.	
15 to 18 in.....	1.50
18 to 24 in.....	2.50
2 to 2½ ft.....	3.00
2½ to 3 ft.....	4.00
3 to 3½ ft.....	5.00
5 to 6 ft.....	7.00
— aurea, 20'-25'	Goldenplume Cypress
Golden form of preceding, and grows more slowly.	
12 to 15 in.....	1.50
15 to 18 in.....	2.00
18 to 24 in.....	2.50
2½ to 3 ft.....	5.00

Scientific Name	Common Name
— <i>lutescens</i> , 2½'-3'	Dwarf Yellow Plume Cypress
Forms a low, broad, round-topped bush; bright yellow tipped branchlets.	
	Each
9 to 12 in.....	1.50
12 to 15 in.....	2.00
— <i>squarrosa veitchi</i> , 25'-30'	Veitch Moss Cypress
Foliage blue-gray, feathery and dense, giving soft woolly appearance. Broad pyramidal outline when young.	
15 to 18 in.....	1.75
18 to 24 in.....	2.25
2 to 2½ ft.....	3.00

TAXUS—YEW

TAXUS <i>baccata repandens</i> , 18"-24"	Spreading English Yew
Spreading, horizontal branches, dark blue-green leaves.	
Valuable for low planting.	
15 to 18 in.....	3.25
— <i>cuspidata</i> , 4'-5'	Spreading Japanese Yew
Rich, deep green leaves. Spreading, bushy habit. Valuable in foundation plantings. Exceptionally hardy.	
18 to 24 in.....	5.50
2 to 2½ ft.....	7.50
— <i>capitata</i> , 5'-10'	Upright Japanese Yew
The upright type of Taxus <i>cuspidata</i> .	
12 to 15 in.....	3.50
18 to 24 in.....	5.50
— <i>nana (brevifolia)</i> , 2'-3'	Dwarf Japanese Yew
Broad, thick leaves, blackish green. Slow growing and irregular, spreading habit. Exceptionally hardy.	
10 to 12 in.....	2.00
12 to 15 in.....	3.00
18 in.....	6.00

THUJA—ARBORVITAE

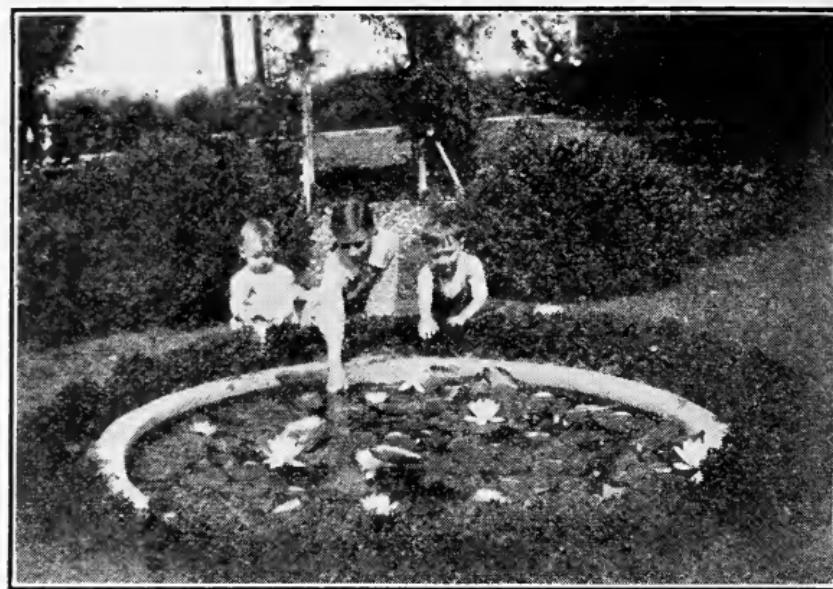
THUJA <i>occidentalis</i> , 15'-30'	American Arborvitae
Slender pyramid with broad base. Bronzy winter coloring.	
Good accent plant or for a hedge.	
18 to 24 in.....	1.75
2 to 3 ft.....	2.75
3 to 4 ft.....	3.75
4 to 5 ft.....	5.00
5 to 6 ft.....	6.50
— <i>compacta</i> , 2½'-4'	Parsons Arborvitae
Almost globe-shaped. Bright green. Useful in formal or foundation planting.	
12 to 15 in.....	1.75
15 to 18 in.....	2.25
18 to 24 in.....	3.00
— <i>globosa</i> , 2½'-3'	Globe Arborvitae
Useful in formal work. Naturally globe-shaped.	
10 to 12 in.....	1.50
12 to 15 in.....	1.75
15 to 18 in.....	2.50
18 to 24 in.....	3.00
— <i>lutea</i> , 10'-15'	Geo. Peabody Arborvitae
Conspicuous golden yellow form. Columnar outline.	
12 to 15 in.....	1.50
15 to 18 in.....	2.00
18 to 24 in.....	2.50
2 to 2½ ft.....	3.25
2½ to 3 ft.....	4.50

MANHEIM, PENNSYLVANIA.

Scientific Name	Common Name
— <i>plicata</i> , 10'-20'	Moss Arborvitae
Rich, deep blue-green foliage. Short, stiff branchlets give pleasing effect in light and shade. Formal pyramid.	
2 to 2½ ft.	Each 3.00
2½ to 3 ft.	3.50
3 to 4 ft.	5.00
4 to 5 ft.	7.00
— <i>pyramidalis</i> , 15'-30'	Pyramidal Arborvitae
Retains bright green coloring throughout winter. Narrow columnar shape; splendid for accents or formal planting.	
12 to 18 in.	1.00
18 to 24 in.	1.75
2 to 2½ ft.	2.75
2½ to 3 ft.	3.50
3 to 3½ ft.	4.00
3½ to 4 ft.	4.50
4 to 5 ft.	6.50
— <i>rosenthali</i> , 6'-10'	Rosenthal Arborvitae
Dense, rugged, columnar form. Slow grower.	
12 to 15 in.	1.75
15 to 18 in.	2.50
18 to 24 in.	3.50
— <i>umbraculifera</i> , 2'-3'	Umbrella Arborvitae
Particularly good low mushroom-shaped form with rich green foliage.	
12 to 15 in.	2.00
15 to 18 in.	2.25
18 to 24 in.	2.75
2 to 2½ ft.	4.00
— <i>wareana (Siberiana)</i> , 12'-15'	Ware Arborvitae
Light green, fleshy foliage. Broadly pyramidal, rugged in appearance.	
15 to 18 in.	1.75
18 to 24 in.	2.25
2 to 2½ ft.	3.00
— <i>orientalis aurea nana</i> , 2½'-3'	Berckman's Golden Arborvitae
A gem for dwarf planting; compact, roundish shape; warm golden yellow foliage. Especially good for formal work and edging.	
9 to 12 in.	1.75
12 to 15 in.	2.50
15 to 18 in.	3.50
— <i>conspicua</i> , 7'-8'	Goldspire Arborvitae
Golden yellow in spring, bronze yellow in winter. Distinctive.	
18 to 24 in.	3.00
2 to 2½ ft.	4.50

TSUGA—HEMLOCK

TSUGA <i>canadensis</i> , 75'-90'	Canada Hemlock
Most graceful and adaptable, the spreading horizontal branches making effective shadow effects. Does well in shady or sunny locations.	
18 to 24 in.	2.50
2 to 2½ ft.	3.50
2½ to 3 ft.	4.50
3 to 3½ ft.	5.50
3½ to 4 ft.	7.00
4 to 5 ft.	8.50
5 to 6 ft.	10.00



Scene in an Out-door Living-Room.

BROAD LEAF EVERGREENS

ABELIA

Scientific Name	Common Name
ABELIA grandiflora, 3'-4'	Glossy Abelia
Choice small shrub, with white tinted lilac flowers, produced throughout the entire summer months.	
18 to 24 in.	Each 1.00

AZALEA

AZALEA amoena, 3'-4'	
Conspicuous purple-red flowers, April-May. Leaves turn a rich, bronze-green in winter.	
10 to 12 in.	1.75
12 to 15 in.	2.75
—hinodegiri, 3'-4'	
Larger leaves and looser growth than above; flowers very bright carmine-pink; effective in masses or with Rhododendron.	
10 to 12 in.	2.50
12 to 15 in.	3.00
—macrantha, 2½'-3'	Red Salmon Azalea
Evergreen. A beautiful plant, with large flowers that appear at intervals, and not at one time like the preceding. Single and double varieties.	
10 to 12 in.	2.50

BERBERIS—BARBERRY

BERBERIS ilicifolia, 5'-6'	Holly Barberry
Holly-like leaves, persisting until new foliage appears; flowers yellow. Semi-evergreen.	
18 to 24 in.	2.00
—julianae, 4'-5'	Wintergreen Barberry
Beautiful hardy variety, of compact growth, with nice glossy green foliage throughout the winter.	
15 to 18 in.	2.00

BUXUS—BOXWOOD

BUXUS sempervirens (bush form), 12'-15'	Boxwood
Useful for formal hedges. Specially desired for planting as individual specimens on lawns or in tubs.	
8 to 10 in. ....	.75
10 to 12 in.	1.25
12 to 15 in.	1.50
15 to 18 in.	2.00
18 to 21 in.	3.00

MANHEIM, PENNSYLVANIA.

Scientific Name	Common Name
— <i>suffruticosa</i> , 3'-4'	True Dwarf Box
A very low growing variety, used for window boxes and edgings around beds of shrubbery or along walks, etc.	
	Each Per 10 Per 100
3 to 4 in. ....	.20 1.50 10.00
4 to 6 in. ....	.25 2.00 15.00
6 to 8 in. ....	.75 6.50 50.00
8 to 10 in.	1.00 7.50

COTONEASTER

COTONEASTER horizontalis , 1'-1½'	Rock Cotoneaster
Small box-like leaves; bright red berries; effective among rocks.	
3-in. pots. ....	.80
5-in. pots.	1.25

DAPHNE

DAPHNE cneorum , 1'	Rose Daphne
Gray-green foliage, low spreading. Pretty pink flowers in April-May. Delightful fragrance.	
3-in. pots.	1.00
10 to 12 in.	2.00

EUONYMUS

EUONYMUS japonicus , 5'-6'	Evergreen Burningbush
Lustrous, deep green leaves; upright bushy habit; needs winter protection here.	
12 to 18 in.	1.00
2 to 2½ ft.	2.50
— <i>radicans vegetus</i> , 3'-4'	Bigleaf Wintercreeper
Bushy, interesting growth. Leaves round, dull green. Bright scarlet fruits, freely produced. Handsome among evergreens. Also called Evergreen Bittersweet.	
9 to 12 in. ....	.40
12 to 15 in. ....	.60
15 to 18 in. ....	.75

ILEX—HOLLY

ILEX crenata , 8'-10'	Japanese Holly
Box-like leaves, rich, deep green, and leathery. Stiff branching, makes a good hedge. Black berries.	
15 to 18 in.	2.50
18 to 24 in.	4.00
— <i>glabra</i> , 5'-6'	Inkberry
Shining, dark green leaves, purplish in winter; black berries. Useful for shady spots, also succeeds in sun.	
12 to 15 in.	1.50
— <i>opaca</i>	American Holly
Does best in moist, partially shaded place. Rather difficult to transplant.	
12 to 18 in.	3.00

KALMIA—LAUREL

KALMIA latifolia , 5'-7'	Mountain Laurel
Most effective in June when the clusters of pink flowers open. This stock is nursery grown. Good foliage; like shade.	
	Each Per 10 Per 100
12 to 15 in.	2.50

LEUCOTHOE

LEUCOTHOE catesbaei , 3'-4'	Drooping Leucothoe
Attractive white flowers, May. Handsome lustrous leaves, rich autumn coloring. Splendid for under planting in shade.	
12 to 15 in.	2.00

MAHONIA

Scientific Name	Common Name
MAHONIA aquifolium, 4'-5'	Oregon Holly Grape
Shining green leaves, turn rich scarlet in Autumn; striking in May when yellow flowers appear; blue-black fruits. Best in half shade.	
15 to 18 in.....	Each 2.00

PACHYSANDRA—JAPANESE SPURGE

PACHYSANDRA terminalis, 6"-8"	Japanese Spurge
One of the best bedding plants for green effect in shady places.	
4 to 6 in.....	.15 1.25 10.00

RHODODENDRON

RHODODENDRON maximum, 8'-12'	Rosebay Rhododendron
Beautiful light pink flowers freely produced in May-June. Large handsome foliage, most effective in masses.	
18 to 24 in.....	3.00
2 to 2½ ft.....	3.50

Hybrid Rhododendron

—Hybrid. Beautiful Red or Pink.	
15 to 18 in.....	7.00

VINCA—PERIWINKLE

VINCA minor	Periwinkle
Very good ground cover.	
3-in. pots.....	.20 1.75

YUCCA—ADAM'S NEEDLE

YUCCA filamentosa, 2'-3'	Adam's Needle
Long lance-like leaves. Tall flower spike grows up quickly in June-July. Numerous creamy flowers and general appearance give tropical effect. Useful for massing with either evergreens or shrubbery.	
3-year plants.....	.50 4.00

ORNAMENTAL SHRUBS

5 or more of one kind—10¢ less per plant, except Barberry
—5¢ less.

ACANTHOPanax—ARALIA

ACANTHOPanax pentaphyllum, 7'-8'	Five Leaf Aralia
Graceful, arching habit; splendid for banks; very adaptable; good foliage for smoky exposures.	
2 to 3 ft.....	Each \$.50
3 to 4 ft.....	.60

AMYGDALUS—FLOWERING ALMOND

AMYGDALUS nana, 5'-6'	Flowering Almond
Flowers double, May; very showy; there are Pink and White varieties.	
18 to 24 in.....	.50
2 to 3 ft.....	.60

AZALEA

AZALEA kaempferi, 4'-5'	Torch Azalea
Warm brick-red flowers, May.	
12 to 15 in.....	2.50
—mollis, 4'-6'	Chinese Azalea
Large showy flowers in shades of orange and red. May-June. Large hairy leaves. Likes sun.	
12 to 15 in.....	2.00
15 to 18 in.....	2.50

MANHEIM, PENNSYLVANIA.

Scientific Name	Common Name
— <i>yodogawa</i> , 3'-4'	Yodogawa Azalea.
Double pinkish-lavender flowers, May. Very hardy and of exceptional merit.	Each
12 to 15 in. ....	.20
15 to 18 in. ....	.25
18 to 24 in. ....	.30
— <i>Atropurpurea</i>	New Red-Leaved Japanese Barberry
12-15 in. ....	.50
18 to 24 in. ....	.75

BERBERIS—BARBERRY

BERBERIS thunbergii , 4'-5'	Japanese Barberry
A splendid low hedge plant, or for massing; brilliant autumn coloring; scarlet berries.	
12 to 15 in. ....	.20
15 to 18 in. ....	.25
18 to 24 in. ....	.30
— <i>Atropurpurea</i>	New Red-Leaved Japanese Barberry
12-15 in. ....	.50
18 to 24 in. ....	.75

BUDDLEIA—BUTTERFLY BUSH

BUDDLEIA davidi magnifica , 5'-6'	Butterfly Bush
Very effective with gray-green foliage and deep lilac flowers; likes sun. June, September.	
2 to 3 ft. ....	.40
3 to 4 ft. ....	.50

CALICARPA—BEAUTYBERRY

CALICARPA purpurea , 3'-4'	Chinese Beautyberry
Lilac-violet berries, especially attractive in August. Graceful habit.	
18 to 24 in. ....	.60
2 to 3 ft. ....	.75

CALYCANTHUS—SWEETSHRUB

CALYCANTHUS floridus , 4'-5'	Sweetshrub
Chocolate colored flowers, fragrant.	
18 to 24 in. ....	.60
2 to 3 ft. ....	.75

CEPHALANTHUS—BUTTONBUSH

CEPHALANTHUS occidentalis , 5'-6'	Buttonbush
Round heads of creamy white flowers, July-Sept. Good foliage; likes moisture.	
18 to 24 in. ....	.50
2 to 3 ft. ....	.75

CLETHRÀ—SWEET PEPPER BUSH

CLETHRÀ alnifolia , 4'-5'.	Sweet Pepper Bush
Spikes of very fragrant flowers, July-Sept. Prefers moist, shady places. Also called Summersweet.	
18 to 24 in. ....	.60
2 to 3 ft. ....	.75

CORNUS—DOGWOOD

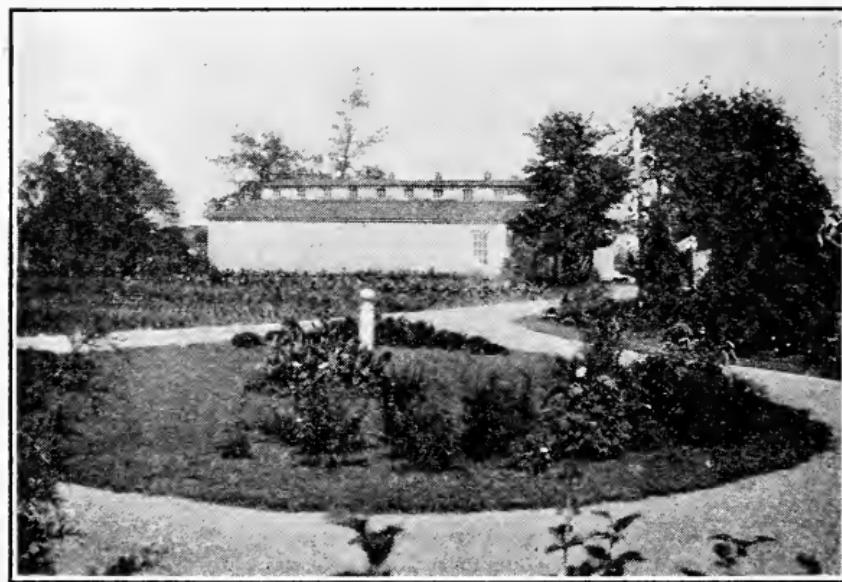
CORNUS stolonifera , 7'-8'	Red-Osier Dogwood
Spreading habit, dark red bark, white fruits. Does well in moisture.	
2 to 3 ft. ....	.50
3 to 4 ft. ....	.60
— <i>lutea</i> , 6'-7'	Golden Bark Dogwood
Has distinct yellow bark; fine for winter effects.	
18 to 24 in. ....	.50
2 to 3 ft. ....	.60

CYDONIA—FLOWERING QUINCE

CYDONIA japonica , 4'-5'	Flowering Quince
Scarlet flowers in April, May.	
18 to 24 in. ....	.75
2 to 3 ft.	1.00

DEUTZIA

Scientific Name	Common Name
DEUTZIA gracilis, 3'	Slender Deutzia
Profuse bloomer, pure white, May.	Useful "facing" shrub.
12 to 15 in.....	Each .40
15 to 18 in.....	.50
— lemoinei, 4'-5'	Lemoine Deutzia
Large white flowers, June, graceful.	
15 to 18 in.....	.40
18 to 24 in.....	.50
— scabra crenata fl. pl., 6'-8'	Double Pink Deutzia
Pink, slightly fragrant, June.	
2 to 3 ft.....	.50
3 to 4 ft.....	.60
— pride of Rochester, 9'-10'	Large Flwd. Deutzia
Vigorous, large flower tinged pink, June.	
3 to 4 ft.....	.50
4 to 5 ft.....	.60



Storage and Packing House seen from Display Grounds.

EUONYMUS

EUONYMUS alatus, 9'-10'	Winged Euonymus
Interesting corky bark, warm crimson autumn coloring.	
Makes fine specimen shrub.	
18 to 24 in.....	.75
2 to 3 ft.....	1.00

EXOCHORDA—PEARLBUSH

EXOCHORDA grandiflora, 6'-9'	Pearlbush
Dazzling white flowers, May. Is improved by pruning.	
2 to 3 ft.....	.60
3 to 4 ft.....	.75

FORSYTHIA—GOLDEN BELL

FORSYTHIA suspensa fortunei, 7'-8'	Fortune Golden Bell
Good habit, arching branches, vigorous grower.	
2 to 3 ft.....	.50
3 to 4 ft.....	.60
— spectabilis, 6'-8'	Showy Border Golden Bell
Most profuse of all, with large rich golden yellow flowers.	
18 to 24 in.....	.50

MANHEIM, PENNSYLVANIA.

HIBISCUS—ROSE OF SHARON

Scientific Name	Common Name
HIBISCUS syriacus (Althea) , 10'–12'	Rose of Sharon
Rather formal in outline, flowering in August and September. Pink, purple, red, and white, single and double.	
2 to 3 ft.	Each .60
3 to 4 ft.	.75

HYDRANGEA

HYDRANGEA arborescens grandiflora , 4'–5'	
Large double white flower panicles, very showy. August.	Snowhill Hydrangea
18 to 24 in.	.50
2 to 3 ft.	.60
— paniculata grandiflora , 8'–9'	Peegee Hydrangea
Very showy, blooming in Sept.	
18 to 24 in.	.50
2 to 3 ft.	.75
— standard	Tree Hydrangea
3 to 4 ft.	1.25

HYPERICUM—GOLDFLOWER

HYPERICUM moserianum , 2'	Goldflower
Large waxy yellow flowers. July–August. Dainty, half-herbaceous, splendid mass plant.	
18 to 24 in.	.75

LIGUSTRUM—PRIVET

LIGUSTRUM ovalifolium aureum , 8'–9'	Golden Privet
12 to 15 in.	.50
15 to 18 in.	.60

LONICERA—HONEYSUCKLE

LONICERA fragrantissima , 6'–8'	Winter Honeysuckle
Fragrant white flower, April–May. Half-evergreen.	
2 to 3 ft.	.50
— tatarica , Pink, Red and White, 9'–10'	Tartarian Honeysuckle
Flowers and fruit freely produced. A most adaptable shrub.	
2 to 3 ft.	.50
3 to 4 ft.	.60

PHILADELPHUS—MOCKORANGE

PHILADELPHUS coronarius , 9'–10'	Sweet Mockorange
White fragrant flowers profusely borne in May–June.	
2 to 3 ft.	.50
3 to 4 ft.	.60
— aureus , 4'–5'	Golden Leaf Mockorange
Dwarf, compact form. Yellow leaves.	
15 to 18 in.	.60
18 to 24 in.	.75
— virginalis , 7'–8'	Virginal Mockorange
Beautiful semi-double flowers produced intermittently all summer.	
2 to 3 ft.	1.00

PHYSOCARPUS—NINEBARK

PHYSOCARPUS opulifolius , 9'–10'	Ninebark
Creamy white, June. Vigorous. Good for shade.	
2 to 3 ft.	.50

RHODOTYPOS—JETBEAD

RHODOTYPOS kerrioides , 4'–5'	Jetbead
Fresh green foliage, pure white flowers, May–June. Shining black bead-like berries all winter. Also called Jetbead.	
2 to 3 ft.	.75

RHUS—SUMAC

Scientific Name	Common Name
RHUS canadensis (aromatica), 4'-5'	Fragrant Sumac
Clusters of small yellow flowers, April-May. Most attractive in June when covered with coral-red fruits. Withstands drought. Aromatic foliage.	
2 to 3 ft.....	Each 1.00
—cotinus, 10'-12'	Smoke Tree
Also called Purple Fringe.	
2 to 3 ft.....	1.50

SAMBUCUS—ELDER

SAMBUCUS canadensis aurea, 10'-12'	Golden American Elder
Has conspicuous yellow foliage.	
2 to 3 ft.....	.50

SPIRAEA—SPIREA

SPIRAEA bumalda, anthony waterer, 3'	Anthony Waterer Spirea
Deep rose pink; very free flowering all summer.	
12 to 15 in.....	.30
15 to 18 in.....	.40
18 to 24 in.....	.50
—prunifolia, 7'-8'	Bridalwreath
White, May. Free flowering; handsome dark green shining foliage, turning orange in autumn.	
2 to 3 ft.....	.50
—thunbergi, 4'-5'	Thunberg Spirea
Slender, arching branches clothed with pure-white flowers, April-May. Small, feathery, light-green leaves.	
18 to 24 in.....	.50
2 to 2½ ft.....	.60
—van houttei, 8'-9'	Vanhoutte Spirea
White, May-June. Graceful habit. Extremely free flowering and very adaptable.	
18 to 24 in.....	.30
2 to 3 ft.....	.40
3 to 4 ft.....	.50

SYMPHORICARPOS—SNOWBERRY

SYMPHORICARPOS racemosus, 5'-6'	Snowberry
Conspicuous, white berries, attractive foliage. Most adaptable, but best in half shady moist locations.	
2 to 3 ft.....	.40
3 to 4 ft.....	.50
—vulgaris, 4'-5'	Coralberry
Coral red berries persisting throughout winter. Good for shade, and bank planting.	
2 to 3 ft.....	.40
3 to 4 ft.....	.50

SYRINGA—Lilac**FRENCH LILACS—NAMED VARIETIES**

These are all grown from cuttings and are on their own roots, which is the best way Lilacs can be grown, as they will not sucker. These named Lilacs generally grow from 6'-12' in height, depending on the variety and locality.

Charles the Tenth, reddish purple single

Ludwig Spaeth, single reddish purple

Marie Le Graye, single white

Michel Buchner, double lilac

Mme. Lemoine, double white

President Grevy, double blue

Rubra de Marly, single light blue

Wm. Robinson, double violet pink

2 to 3 ft..... 1.00 3 to 4 ft..... 1.25

MANHEIM, PENNSYLVANIA.

TAMARIX

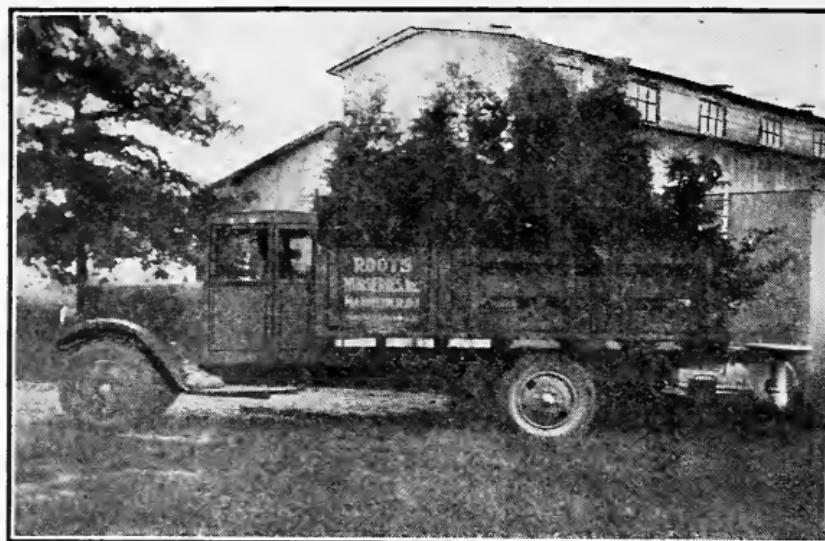
Scientific Name	Common Name
TAMARIX africana, 12'-14'	African Tamarix
Pink, April-May. Has feathery, gray-green foliage. Very effective near water.	
3 to 4 ft.....	Each .50

VIBURNUM

VIBURNUM americanum, 8'-9'	American Cranberrybush
Bright scarlet berries in large bunches, persisting all winter.	
18 to 24 in.....	.60
2 to 3 ft.....	.75
—carlesi, 4'	Fragrant Viburnum
One of the most desirable semi-dwarf flowering shrubs with wonderfully fragrant flower clusters of white shaded with pink. Foliage nice green.	
12 to 15 in.....	2.50
—cassinoides, 5'-6'	Withe-Rod
White, June-July. Berries pink, changing to dark blue. Rich autumn coloring; splendid for massing and near water.	
2 to 3 ft.....	.75
—dentatum, 10'-12'	Arrow-Wood
White, May-June. Berries blue-black, autumn coloring purple and red; thrives in wet soil.	
2 to 3 ft.....	.60
—opulus, 9'-10'	European Cranberrybush
Berries resemble the cranberry very much, cling to branches all winter.	
18 to 24 in.....	.60
2 to 3 ft.....	.75
—tomentosum plicatum, 7'-8'	Japanese Snowball
Showy white flowers in balls, June. Handsome foliage with purple autumn coloring.	
18 to 24 in.....	.75
2 to 2½ ft.....	.90

WEIGELA

WEIGELA amabilis, 7'-8'	Rose Weigela
Light pink.	
2 to 3 ft.....	.50
3 to 4 ft.....	.60
—candida, 7'-8'	White Weigela
Large, pure white flowers.	
2 to 3 ft.....	.50
—Eva Rathke, 4'-5'	Red Flowered Weigela
Carmine, June-August. Most floriferous.	
18 to 24 in.....	.50
2 to 2½ ft.....	.60
—nana variegata, 4'-5'	Variegated Leaf Weigela
Pale pink flower; variegated leaves; dwarf, compact growth.	
18 to 24 in.....	.40
2 to 2½ ft.....	.50
—rosea, 7'-8'	Pink Weigela
Showy, pink flowers freely produced. June. Vigorous grower.	
2 to 3 ft.....	.50
3 to 4 ft.....	.60



Part of Our Truck Equipment Which Enables Us to Give Prompt Delivery Service.

SHADE AND ORNAMENTAL TREES

ACER—MAPLE

Scientific Name	Common Name
ACER dasycarpum, 60'-80'	Silver Maple
Quick growing, graceful shade tree; leaves silvery underneath.	
8 to 10 ft.....	Each 1.75 Per 10 15.00
10 to 12 ft.....	3.00 27.50
12 to 14 ft.....	5.00
14 to 16 ft.....	7.00
—wieri, 60'-80'	Wier Cutleaf Maple
Graceful, drooping form; very desirable.	
10 to 12 ft.....	4.00
—platanoides, 50'-75'	Norway Maple
The most popular street tree; retains its green leaves until late autumn.	
6 to 8 ft.....	2.00
8 to 10 ft.....	3.00
10 to 12 ft.....	4.00
12 to 14 ft.....	6.00
—schwedleri, 40'-60'	Schwedler Purple Leaf Maple
Probably the best large growing purple leaf tree. Useful as lawn specimen.	
6 to 8 ft.....	4.00
8 to 10 ft.....	5.00
—saccharum, 50'-75'	Sugar Maple
Similar to Norway Maple, taller, growing straight, spreading, symmetrical.	
6 to 8 ft.....	2.00
8 to 10 ft.....	3.00
10 to 12 ft.....	4.00
—palmatum atropurpureum, 6'-8'	Bloodleaf Japanese Maple
A good dwarf tree with rich purple-red leaves all summer. Best in sun.	
9 to 12 in.....	2.75
12 to 15 in.....	4.00
15 to 18 in.....	5.00
— — — dissectum, 4'-6'	Purple Cutleaf Japanese Maple
More dwarf than the above with finely cut purple-red leaves, giving the plant a very graceful appearance. Good for rock work.	
12 to 15 in.....	5.00

BETULA—BIRCH

Scientific Name	Common Name
BETULA alba, 30'-50'	European White Birch
Known by its white bark.	Each Per 10
4 to 5 ft.....	1.75 15.00
5 to 6 ft.....	2.00 18.00
6 to 8 ft.....	2.50
— <i>laciniata</i> , 30'-40'	Cutleaf Weeping Birch
Graceful tree for lawn planting. Very graceful.	
3 to 4 ft.....	2.00 17.50
4 to 5 ft.....	2.50 22.50
5 to 6 ft.....	3.00 27.50
6 to 8 ft.....	3.50 32.50
8 to 10 ft.....	4.00 37.50

CATALPA

CATALPA bungei, 10'-15'	Umbrella Catalpa
Useful in formal planting.	
Light Heads 5 to 6 ft.....	1.75 15.00
Medium Heads 5 to 6 ft.....	2.50 22.50
Large Heads 5 to 6 ft.....	3.50 32.50
— <i>speciosa</i> , 30'-35'	Western Catalpa
6 to 8 ft.....	1.25 10.00

CERCIS—REDBUD

CERCIS canadensis, 12'-15'	American Redbud
Rosy-Pink; April; very effective when planted with Dogwood; good foliage. Also called Judas Tree.	
2 to 3 ft.....	.80 7.50
3 to 4 ft.....	1.10 10.00



One of Our Landscape Plantings.

CORNUS—DOGWOOD

CORNUS florida, 15'-25'	White Flowering Dogwood
Among the best of the spring flowering small trees.	
3 to 4 ft.....	1.50
4 to 5 ft.....	2.50
6 to 8 ft.....	5.00
— <i>kousa</i> , 16'-18'	Kousa Dogwood
White flowers in June. Conspicuous cherry-like scarlet fruits, attractive to birds.	
18 to 24 in.....	1.25 10.00
2 to 3 ft.....	1.50 12.00

Scientific Name	Common Name
— <i>rubra</i> , 15'-20'	Red Flowering Dogwood
The pink flowers are more persistent than the white.	
18 to 24 in.	Each 3.00
2 to 3 ft.	4.00
3 to 4 ft.	5.00
4 to 5 ft.	7.50

CRATAEGUS—HAWTHORN

CRATAEGUS <i>oxyacantha pauli</i> , 12'-15'	Pauls Scarlet Hawthorn
Double scarlet flowers.	
2 to 3 ft.	2.00
3 to 4 ft.	2.50
4 to 5 ft.	3.00

FAGUS—BEECH

FAGUS <i>americana (ferruginea)</i> , 75'-100'	American Beech
One of our best native trees; distinctive silver-gray bark.	
3 to 4 ft.	3.00

FRAXINUS—ASH

FRAXINUS <i>americana</i> , 70'-80'	White Ash
Fairly rapid grower; assumes pleasing golden tones in autumn; good in moist soils.	
8 to 10 ft.	2.00 18.00
10 to 12 ft.	2.50 22.00

GINKGO—MAIDENHAIR TREE

GINKGO <i>biloba (Salisburia)</i> , 50'-75'	Maidenhair Tree
Picturesque, interesting, quite distinct leaves shaped like maidenhair fern; immune from insects.	
8 to 10 ft.	4.00
10 to 12 ft.	6.00

LIRIODENDRON—TULIPTREE

LIRIODENDRON <i>tulipifera</i> , 60'-80'	Tuliptree
A quick grower; the yellow tulip-like flowers are produced in June.	
8 to 10 ft.	2.00
10 to 12 ft.	3.00

MAGNOLIA

MAGNOLIA <i>soulangeana</i> , 15'-18'	Saucer Magnolia
Large purplish-pink and white flowers in May. Best transplanted in early spring.	
9 to 12 in.	3.00
12 to 18 in.	5.00
2 to 3 ft.	10.00

MALUS—CRAB

MALUS <i>ioensis plena</i> , 10'-15'	Bechtel Crab
Large double pure pink flowers with noticeable fragrance; vigorous grower.	
2 to 3 ft.	1.00
3 to 4 ft.	1.50

MORUS—MULBERRY

MORUS <i>alba pendula</i> , 8'-10'	Tea's Weeping Mulberry
The most popular small "weeping" tree.	
Medium grade	3.00
Large heads	4.00

PLATANUS—PLANE TREE

PLATANUS <i>orientalis</i> , 70'-80'	European Plane Tree
A good tree for park and street use; grows rather quickly; withstands smoky city conditions.	
6 to 8 ft.	2.00
8 to 10 ft.	3.00
10 to 12 ft.	4.00

MANHEIM, PENNSYLVANIA.

POPULUS—POPLAR

Scientific Name	Common Name
POPULUS nigra italicica, 60'–80'	Lombardy Poplar
Tall spire-like character; valued for landscape work and screens.	Each Per 10
8 to 10 ft.	1.25 10.00
10 to 12 ft.	1.75 15.00

PRUNUS—PLUM & FLW. CHERRY

PRUNUS cerasifera pissardi, 12'–15'	Purpleleaf Plum
Valued chiefly because of purplish foliage; should be pruned every year for best color effect.	
3 to 4 ft.	1.00
4 to 5 ft.	1.50
5 to 6 ft.	2.00
— serrulata Kwanzan	Jap. Flw. Cherry
Double, dark pink. Late.	
3 to 4 ft.	2.50
4 to 5 ft.	3.00
— Beni-Higan	Jap. Flw. Cherry
Large pink flowers.	
3 to 4 ft.	2.50
4 to 5 ft.	3.00
— subhirtella pendula, 12'–15'	Weeping Japan Cherry
A most beautiful and graceful tree, covered with pink blossoms in early spring.	
5 to 6 ft. stems, 1 yr. heads.	4.00

QUERCUS—OAK

QUERCUS palustris, 75'–90'	Pin Oak
Takes most kindly to cultivation; prefers moist soil, but is very adaptable. Particularly fitting as a street tree; good autumn effects.	
8 to 10 ft.	4.00
10 to 12 ft.	6.00
— rubra, 75'–90'	Red Oak
Comparatively quick growth; rich autumn coloring in greens and reds.	
8 to 10 ft.	4.00
9 to 11 ft.	6.00

SALIX—WILLOW

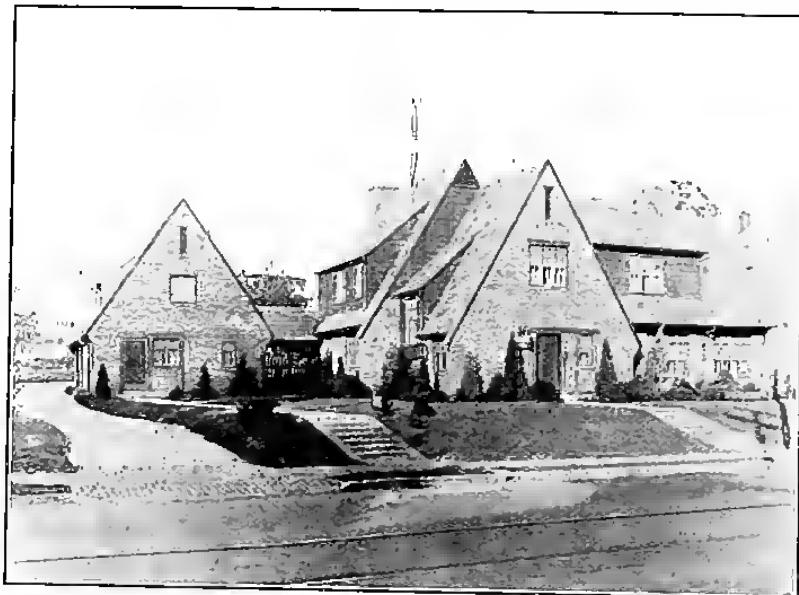
SALIX babylonica, 50'–60'	Babylon Weeping Willow
Particularly appropriate for waterside planting with its long pendulous branches.	
6 to 8 ft.	1.50
8 to 10 ft.	2.00
10 to 12 ft.	3.00
— caprea (bush form), 15'–20'	Pussy Willow
Very desirable for spring effects. Will do well on dry as well as wet places.	
4 to 5 ft.	.75

SORBUS—ASH

SORBUS aucuparia, 25'–30'	European Mountain Ash
A valuable tree on a small lawn; the scarlet berries are quite striking.	
5 to 6 ft.	1.50
6 to 8 ft.	2.00

TILIA—LINDEN

TILIA americana, 75'–90'	American Linden
Grows rather quickly, forming an open head. Has fragrant yellow flowers.	
8 to 10 ft.	3.50
10 to 12 ft.	4.00



Planting at home of Dr. D. H. Anderson, W. Main St., Ephrata, Pa. This job included everything from grading to completed landscape.



Another planting in Ephrata. Home of E. R. Eitner, N. Broad St.

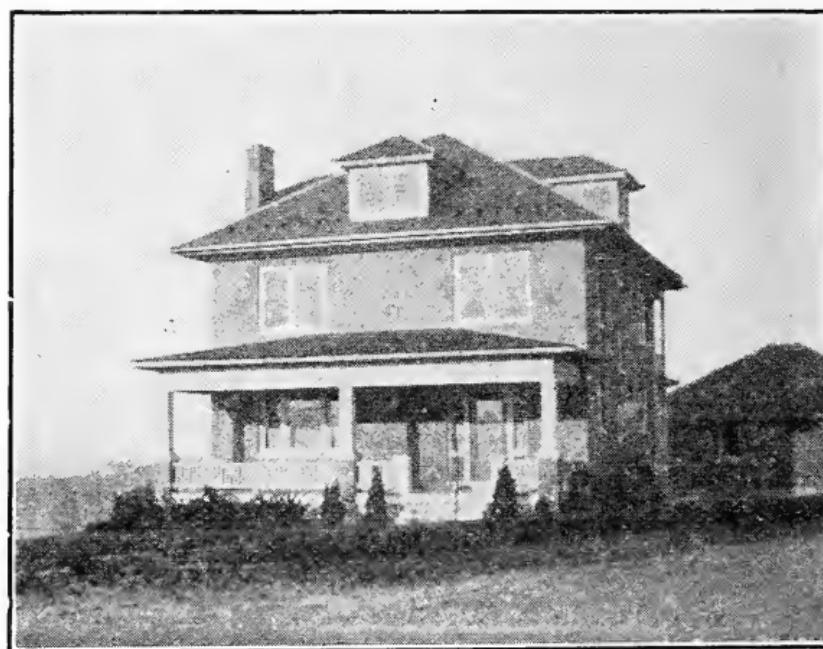
These are only two of the many fine homes we have planted in Ephrata and vicinity. Also Lancaster, Reading, Lebanon, and other cities and towns within a radius of 35 to 50 miles have

many homes that have been planted by our Landscape Department. We would like to show pictures of all our large plantings, but this is impossible. Why not permit us to plan and plant your home?

Scientific Name	Common Name
— <i>vulgaris</i> , 60'-70'	European Small Leaf Linden
In late June the fragrant flowers are noticeable; grows symmetrical and compact.	Each Per 10
10 to 12 ft.....	6.50
12 to 14 ft.....	10.00

ULMUS—ELM

ULMUS americana , 80'-100'	American Elm
Stately and dignified are here exemplified. Fairly rapid in growth, this typical American tree soon assumes regal proportions and commands respect of all who look upon it.	
6 to 8 ft.....	1.75 15.00
8 to 10 ft.....	2.50 20.00
10 to 12 ft.....	4.00
12 to 14 ft.....	6.50
— <i>camperdownii</i>	Camperdown Weeping Elm
5 to 6 ft. 2 yr. heads.....	4.00
— <i>moline</i> , 80'-100'	Moline Elm
A remarkable new variety of remarkably strong growth and large handsome deep grain foliage. Very desirable.	
12 to 14 ft.....	6.50
— <i>pumila</i> , 80'-100'	Chinese Elm
Beautiful, fast grower, hardy.	
8 to 10 ft.....	2.50



Landscape Planting, Including Hedge.

HEDGE PLANTS

BERBERIS—BARBERRY

BERBERIS thunbergii , 4'-5'	Japanese Barberry
A splendid low hedge plant, or for massing; brilliant autumn coloring; scarlet berries.	Per 10 Per 100
9 to 12 in.....	\$1.25 \$10.00
12 to 15 in.....	1.50 12.50
15 to 18 in.....	2.00 15.00
18 to 24 in.....	2.50 20.00

LIGUSTRUM—PRIVET

LIGUSTRUM ovalifolium , 9'-10'.	California Privet
California Privet. The most popular hedge plant on account of its beauty, adaptability, and low cost. Did you ever realize what an admirable and luxuriant privet hedge you could secure at a very small cost, and how much it would add to the value of your property? To find the exact number wanted, measure the space where it is to be planted and multiply the number of feet by two.	

They should be planted 3 inches deeper than they stood in the nursery row. Set the plants 6 inches apart in the row. Dip the roots in water before planting. After plants are set, cut them down to 4 inches from the surface of the ground. This will cause a thick new growth to start and is very essential for a beautiful hedge.

When cutting, each time allow about 1 to 2 inches above where it was cut before until you get the height desired.

	Per 10	Per 100	Per 1000
6 to 12 in., 1 yr.....	\$.20	\$1.50	\$10.00
12 to 18 in., 1 yr.....	.25	2.00	15.00

Two-year—cut back and well branched. Will give immediate effect.

12 to 18 in., 2 yr.....	.35	3.00	25.00
18 to 24 in., 2 yr.....	.40	3.50	30.00
2 to 3 ft., 2 yr.....	.45	4.00	35.00

Many of our Ornamental Shrubs and Evergreens make splendid Hedges, Screens and Windbreaks.

ROSES

The list we offer is not a large one but contains the "cream" of the ones that do well here. These roses are 2 year No. 1, potted. They will bloom this year.

Everblooming Roses

Hybrid Teas and Teas

Duchess of Wellington. Intense saffron-yellow, stained rich crimson.

Frau Karl Druschki. Constant bloomer. Best white.

Gruss an Teplitz. Everblooming scarlet crimson. A strong grower. The best everbloomer of its color.

Jonkheer J. L. Mock. Outside of petals deep pink, inside silvery rose.

Los Angeles. Luminous flame-pink, toned coral, shaded translucent gold at base of petals.

Mme. Butterfly. Bright pink, apricot, and gold.

Mrs. Aaron Ward. Yellow, sometimes shaded salmon and rose.

Ophelia. Salmon-flesh, shaded rose. A rose that is admired by everyone.

Padre. Copper-scarlet, yellow at base of petals; semi-double.

Radiance. Lovely light silvery pink flowers, with beautiful suffusion of deeper color. It may be relied upon to produce flowers under all conditions.

Red Radiance. A deep red, with great globular flowers. Blooms until frost.

Souv. de Claudius Pernet. Color a decided and unstained sunflower yellow, even deeper toned at center. Will not fade. Flower form is large and full, the buds long and pointed. Vigorous grower.

Willowmere. Shrimp-pink, wonderful long-pointed buds. The rose to plant where Los Angeles does not succeed.

PRICES. Strong 2-yr. field-grown plants, potted in 6 in. pots \$1.00 each: 5 for \$4.50; 10 for \$8.50.

New and Rare Roses

Dame Edith Helen. The most striking pink rose of recent years. Enormous, very double, pure pink blooms, continually produced. Strong growth. \$1.50 each.

Etoile de Hollande. Brilliant red flowers of magnificent size. Very fragrant. \$1.50 each.

Rev. F. Page-Roberts. Golden yellow and cream in the inside of the flower, stained copper and dull red on the outside. Rapidly becoming one of the most popular Roses of America. \$1.50 each.

Ville de Paris. Round buds of clear yellow. The bloom is much like Radiance. \$1.50 each.

Talisman. Brilliant orange-red buds, opening to a large fragrant high pointed bloom of glowing golden yellow, stained with copper red and orange-rose on inside of petals. \$2.50 each.

Hardy Climbers

Cl. American Beauty. Crimson; like bush.....85 each

Dr. W. Van Fleet. Apple blossom pink.....75 each

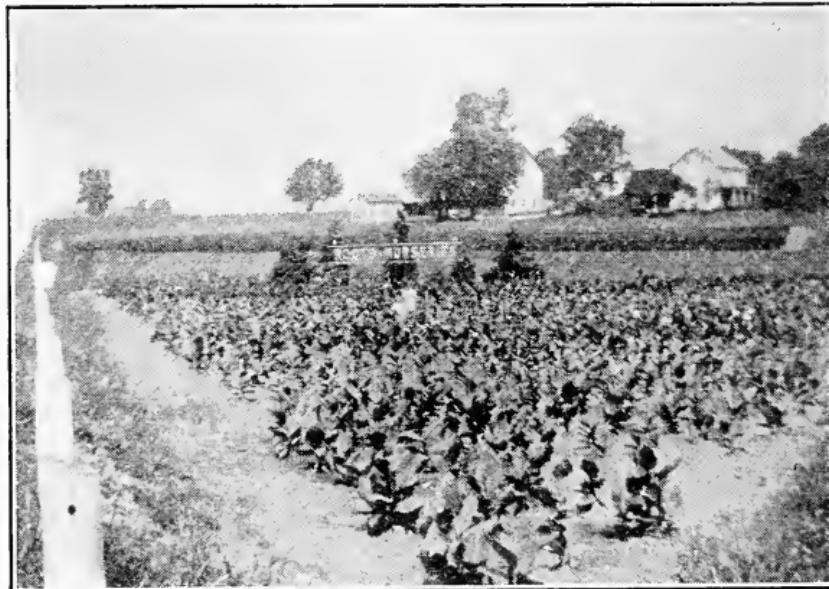
Evangeline. White tipped pink.....75 each

Gardenia. Creamy yellow.....75 each

Paul's Scarlet Climber. Vivid scarlet.....75 each

Mme. Gregoire Stechelin. The new fragrant climbing Rose from Barcelona, Spain—pearl pink with claret-carmine markings on the outer petal. \$2.50 each.

CANNAS



Cannas for Color

For a flaming, gorgeous color effect, give us Cannas. They outshine most other plants, yet they are never gaudy. In beds they are extremely effective.

How to Make a Round Canna Bed

Plant 1 Canna in the center, 6 in the first circle, 12 in the second circle, then 18, 24, etc., according to the size of the bed, with the circles 18 inches apart, and the plants in the circle 18 inches apart. A bed 4 feet in diameter takes 7 Cannas; a 7-foot bed, 19 Cannas; a 10-foot bed, 37 Cannas; a 16-foot bed, 91 Cannas.

The President. 4 ft. Far and away superior to any other scarlet Canna ever produced. This beauty, with its massive heads of glowing scarlet, is in a class by itself for brilliant effect and is used by practically every park superintendent who needs a vivid red in his plantings.

King Humbert. 4 ft. Flower orange-scarlet, streaked crimson. Foliage ebony. Its unusually handsome foliage, which is equaled by no other variety, makes this Canna as popular as is The President for its gorgeous flowers.

MANHEIM, PENNSYLVANIA.

Salmon Queen. 5 ft. Very good bloomer, salmon color, taller.

King Midas, 4 ft. Very large, beautifully formed, firm flowers of glittering golden yellow.

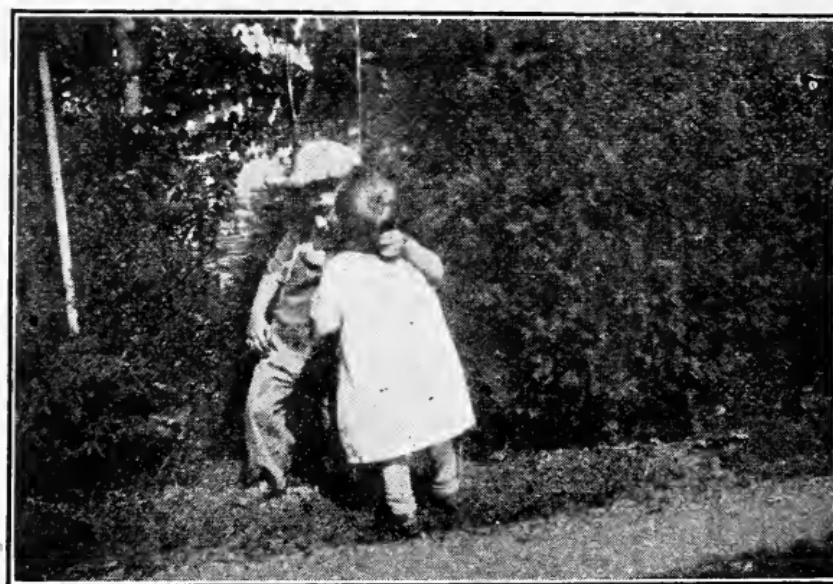
Victory, 3 ft. The throat of the flower is glowing apricot, which shades to a suffusion of pinkish buff or summer sunset tints over the petals, finally edging off to a distinct border of maize-yellow. Flowers are medium in size.

	Per	Per	
	Each	10	100
Canna Prices.....	.15	1.25	10.00
Potted Plants (ready May 1).....	.20	1.75	15.00

HARDY PERENNIAL PLANTS

Scientific Name	Common Name	Each	Per 10
ANEMONE. Pink or White		.30	
ASTILBE Japonica Hybrids (Spirea)			
<i>America.</i> Deep pink; excellent forcing variety.			
<i>Brunhilde.</i> Creamy white, shaded lilac.			
<i>Philadelphia.</i>			
<i>Queen Alexandra.</i> Light pink; good for forcing.			
2-year.....	\$.50	\$ 4.00	
CAMPANULA carpatica.	Carpathian Bellflower		
A pretty species growing in compact tufts, not exceeding 8 inches high; flowers clear blue, held erect on wiry stems. It begins blooming in June, continuing until October. As an edging for a hardy border or for the rockery it is unsurpassed.			
1-year.....	.25	2.00	
CHRYSANTHEMUM Maximum, 2'	Shasta Daisy		
White, July-Sept.		.25	2.00
COREOPSIS, 2'	Coreopsis		
Large, yellow flowers, fine for cutting.....		.25	2.00
DELPHINIUM belladonna, 2½'	Larkspur		
Light blue, June-Oct.			
They are our best blue cut flower, are perfectly hardy, and established plants produce a number of spikes, giving three crops during the season.			
— <i>bellamosum</i> , 2'. June-Oct.	Larkspur		
A dark blue of the type of Belladonna with the color of the old Formosum variety, but not liable to mildew like the latter and of stronger growth.....		.25	2.00
DAHLIAS. Fine collection of named varieties..	.35	2.50	
Mixed varieties.....	.15	1.00	
DIANTHUS barbatus, 1½'	Sweet William		
Double flower, May-June.		.20	1.50
— <i>Gertrude</i> , 1', red.		.25	2.00
— <i>Her Majesty</i> , 10". Very large purest double white.		.50	4.00
— <i>Plumarius</i> , 1'	Grass Pink		
Pink, purplish and white, fragrant flowers and on long spikes. For border or rock garden.		.20	1.50
DICENTRA spectabilis, 2'	Bleeding Heart		
Pink and white, May-June.		.80	7.50

Scientific Name	Common Name
DICTAMNUS albus , 2½'. White, June-July.	Gas Plant
The Dictamnus is one of the most satisfactory hardy plants in cultivation, both on account of splendid flowers and its rich, durable foliage.	Each Per 10
2-year.....	.35 3.00
— ruber , 2½'. Rosy purple, June-July.	
2-year.....	.35 3.00
DIGITALIS purpurea gloxiniaeflora , 3'-4'	Gloxinia Foxglove
	.20 1.50
GAILLARDIA	
Large-flowering.....	.25 2.00
GYPSOPHYLLA paniculata , 2'	Baby's Breath
— Paniculata compacta . Compact white; fine for cutting and drying.	.20 1.50



Your Children, too, will enjoy an Outdoor Living-Room.

HIBISCUS (Mallow), 4'	Mallow Marvels
A robust type of upright habit, producing an abundance of flowers of enormous size in all the richest shades of crimson, pink and white.	.35 2.50
IRIS germanica , 1½'-3'	German Iris
Assorted colors.....	.25 2.00
— Kaempferi	Japanese Iris
Assorted colors.....	.35 2.50
KNIPHOFIA pfitzeri (Tritoma), 2'	Bonfire Torchlily
Rush-like foliage supports smooth thick flower stalks a yard long, with a single fiery cone at the top.	.30 2.50
LESPEDEZA formosa , 3'-4'	Purple Eush Clover
Rosy purple flower conspicuous in Sept. Attractive shrub.	.75 6.00
LYCHNIS Chalcedonica , 3'	Maltese Cross
Heads of vivid scarlet flowers, blooming a long time. One of the brightest plants in the hardy border.	.25 2.00
MYOSOTIS scorpioides	True Forget-Me-Not
	.25 2.00
PAEONIA	Peony
— Edulis Superba . Soft pink, early.	
3 to 5 eyes.....	.50 4.00
— Felix Crousse . Best brilliant red, midseason.	
3 to 5 eyes.....	.75 7.00
— Festiva Maxima . The ideal white, carmine tipped.	
3 to 5 eyes.....	.50 4.00
— Francis Ortegat . Semi-double, purplish crimson.	
3 to 5 eyes.....	.75 7.00

MANHEIM, PENNSYLVANIA.

Scientific Name	Common Name	Each	Per 10
— <i>Officinalis Rubra</i> fl. pl.	Very early double red.		
3 to 5 eyes.....		.75	7.00
PAPAVER Orientale	Oriental Poppy		
Deep crimson, with black blotch on each petal		.35	3.00
PHLOX Decussata	Hardy Phlox		
Perennial Phloxes succeed in almost any soil enriched with manure in Spring, and in hot weather an occasional soaking of water. If the first spikes of bloom are removed as soon as over, they will produce a second supply of flowers, continuing the display until late in Autumn.			
— — Beacon. Brilliant cherry-red.		.25	2.00
— — Elizabeth Campbell. Bright salmon-pink, with lighter shadings and dark red eye; one of the handsomest and most attractive.		.35	3.00
— — Homeland. (Deutschland.) Large trusses of brilliant dark orange-red flowers.		.35	3.00
— — Jules Sandeau. Large, fine, very free-flowering, pure pink.		.25	2.00
— — Mrs. Milly van Hoboken. New. Soft pink, without eye. Large flowers on long erect spike.		.25	2.00
— — Thor. A beautiful lively shade of deep salmon-pink, suffused and overlaid with a scarlet glow; has aniline-red eye.		.25	2.00
PHLOX Suffruticosa			
— — Miss Lingard. The best Phlox in cultivation. It produces immense heads of beautiful white flowers in June and blooms again in September and October.		.25	2.00
PHLOX Subulata	Moss Phlox		
— — Alba. Pure white.		.25	2.00
— — Lilacina. Light lilac.		.25	2.00
PLATYCODON	Balloon Flower		
— Grandiflora. Blue. 18 inches. June to October. Large, showy, deep blue flowers. Good for rock garden and border.		.25	2.00

ORNAMENTAL CLIMBING VINES

AMPELOPSIS quinquefolia , 30'—50'	Virginia Creeper
Valuable for rich, fiery autumn coloring.	Quick grower.
	Each Per 10
2 to 3 ft.....	.35 3.00
—tricuspidata (veitchi) , 40'—50'	Boston Ivy
Brilliant autumn coloring, blue berries, turning black; closely self clinging. Also called Japanese Creeper.	
18 to 24 in.....	.60 5.00

ROOT'S NURSERIES, INC.

Scientific Name	Common Name
ARISTOLOCHIA <i>sipho</i>	Dutchman's Pipe
Flowers are purple, of quaint pipe shape. Large heart-shaped leaves. Good for porches.	
2-year.....	1.00
BIGNONIA <i>radicans</i> , 20'-30'	Trumpet Vine
Showy trumpet-shaped flowers, scarlet and orange, July.	
3-year, 2 to 3 ft.....	.50
CELASTRUS <i>scandens</i> , 20'-25'	American Bittersweet
Most adaptable vine with orange and red berries that retain color when cut and dried.	
2-year, 2 to 3 ft.....	.50 4.00
CLEMATIS , Large Flowered Varieties, 10'-15'	
Grand for pillars and trellises, pegged down for bedding and for running over rockwork, old trees and stumps. They delight in rich soil, and sun.	
— <i>Henryi</i> . Creamy white.	
— <i>Jackmani</i> . Velvety, violet-purple.	
— <i>Mad. Ed. Andre</i> . A distinct crimson red.	
2-year.....	1.00 9.00
— <i>Paniculata</i> , 20'-25'	Sweet Autumn Clematis
The flowers are of medium size, fragrant, pure white, borne in immense sheets in September.	
2-year, first class.....	.60 5.00
EUONYMUS <i>radicans variegatus</i> , 12"-15"	Variegated Leaf Wintercreeper
Leaves veined and marked yellowish white and pink. Clinging vine.	
2-year.....	.50 4.00
— <i>vegetus</i> , 3'-4'	Bigleaf Wintercreeper
Bushy, interesting growth. Leaves round, dull green. Bright scarlet fruits, freely produced. Handsome among evergreens. Also called Evergreen Bittersweet.	
9 to 12 in.....	.60 5.00
12 to 15 in.....	.75 6.00
HEDERA <i>helix</i> , 20'-50'	English Ivy
Good ground cover in shady locations. An ideal wall cover.	
1-yr.....	.25 2.00
2-yr.....	.50 4.00
LONICERA <i>japonica halliana</i> , 15'-25'	Hall Japanese Honeysuckle
Grows rampantly. Blooms freely, deliciously fragrant.	
2-year, first class.....	.50 3.50
POLYGONUM <i>auberti</i>	China Fleecevine
Climbing plant of vigorous growth attaining a height of 25 feet and producing through summer and fall great foamy sprays of white flowers.	
2-year.....	.75
WISTERIA <i>sinensis</i> , 40'-50'	Chinese Wisteria
Good for pergolas, porches and trellises; dense drooping clusters of pea-shaped purple-blue flowers.	
2 to 3 ft.....	1.00 9.00
— <i>alba</i> , 40'-50'	Chinese White Wisteria
2 to 3 ft.....	1.00 9.00



APPLES

Apple trees should be set 32 to 40 feet apart.

Fillers. Most commercial orchards are now planted with standard varieties, 40 feet apart each way. Quick, upright growing, early maturing varieties are used as fillers, planting between standards to make 20 ft. apart; fillers to be removed when the standard trees require the room (12 to 18 years). This requires 28 standard and 82 fillers to the acre. We recommend for fillers: Yellow Transparent, Oldenburg, Grimes Golden, McIntosh and Wealthy, or peach trees.

Price of Apples—2 year

	Each	Per 10	Per 100
6 to 7 ft.....	\$.75	\$6.50	
5 to 6 ft.....	.65	5.00	\$40.00
4 to 5 ft.....	.50	4.00	35.00
3 to 4 ft.....	.40	3.00	25.00

Price of Apples—1 year

	Each	Per 10	Per 100
4 to 5 ft.....	\$.40	\$3.00	\$25.00
3 to 4 ft.....	.35	2.50	20.00
2 to 3 ft.....	.25	2.00	17.50

SUMMER APPLES

Benoni. Attractive, red, best eating apple of its season. Early bearer and very productive.

Early Harvest. Medium, pale yellow, tender, juicy.

Oldenburg (Duchess of Oldenburg). Good size, yellow, streaked red, juicy, sub-acid, productive.

Summer Rambo. Very large; flesh yellow, firm, tender, very juicy, mild sub-acid.

Red Astrachan. Large, beautiful deep crimson. A favorite eating and cooking apple.

Yellow Transparent. Earliest and best; white, tender, juicy, sprightly, sub-acid. Grows rapidly, bears young, and makes a profitable "filler."

AUTUMN APPLES

Gravenstein. Large striped, fine quality, one of the best fall sorts.

Maiden Blush. Large, beautiful, blush cheek.

Smokehouse. An old favorite, originated in Lancaster Co., Pa.

Wealthy. Medium size, smooth, round, deep red; handsome and of fine quality.

WINTER APPLES

Baldwin. Red, large, fine quality, tree vigorous.

Winter Banana. Size large, golden yellow with bright crimson red.

Cortland. This is a promising new variety originated at the Horticultural Experimental Farms, Geneva, N. Y. The fruit is medium to large in size, of a bright red color. Flesh is pure white.

Delicious. Red and yellow; fine grained, and quite juicy; flavor slightly acid, but very good.

Fafawater (sometimes called Pound Apple). Large; yellowish green fruit.

Grimes Golden. No orchard complete without it. Yellow, best quality and productive. For either home or market for this season there is nothing better.

Hubbardston. Large, red, striped, tender, juicy.

Jonathan. Medium; red, extra quality.

McIntosh. Large, deep crimson, highest quality, juicy, sub-acid.

Paradise Winter Sweet. Large; creamy, rosy-cheeked.

Rome Beauty. Large, yellow, shaded red; tender, juicy, sub-acid.

Stark. Large, striped light and red, juicy, mild, sub-acid. An early and abundant bearer, good keeper.

Stayman Winesap. Of the several important descendants of Winesap, this variety is leaping into prominence as a splendid sort for the home or commercial orchard. The tree is a sturdy grower and a very heavy producer. It is adapted to a wide range of soils and climates, thriving almost wherever planted. It runs to large sizes. The fruit is of deep red color, with firm flesh, tender, juicy, and the same rich flavor of the parent. We strongly recommend this variety for the home or commercial orchard.

York Imperial. Medium to large; yellow, shaded red; firm, juicy, sub-acid.

CRAB APPLES

Hyslop. Large; deep crimson; one of the most beautiful; very popular.

Transcendent. For many years the most popular crab apple. Fruit about an inch in diameter, yellow, with red cheek.

PEACHES

We are offering only a limited number of varieties, ones that you can depend on giving you a good crop of fruit. We do not think it worth while to propagate a large number of varieties, when a few of the best will make more money for our customers. The peach crop is quite sure if you give your trees proper attention.

Price of Peaches

	Each	Per 10	Per 100
5 to 7 ft.....	\$.60	\$5.00	\$35.00
4½ to 6 ft.....	.50	4.00	25.00
4 to 5 ft.....	.40	3.00	20.00
3 to 4 ft.....	.30	2.00	15.00

Arranged in Order of Ripening

Greensboro. The very best extra early commercial sort. Hardy and productive, fruit large and tree healthy. Color white with crimson cheek.

Carman. White with red blush. Carman is extra hardy, bears every year, and when it fails all else fails too. Tree a very robust grower and produces heavily.

Hiley (Early Belle). The earliest commercial white free-stone peach. It resembles Belle of Georgia, but in quality is superior to most of its white-fleshed competitors. The pretty red cheek and good shipping qualities make it very popular for early market.

Champion. Large variety, creamy white, red cheek, sweet, rich and juicy. Hardy and productive.

Belle (Belle of Georgia). Very large; skin white with red cheek; flesh white, firm and of excellent flavor. Tree a rapid grower, very prolific.

Capt. Ede. A handsome yellow peach of excellent quality; hardy in bud and blossom.

MANHEIM, PENNSYLVANIA.

J. H. Hale. Probably no new peach has ever been introduced claiming to be so much superior in all ways. It averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor. Color a beautiful golden-yellow, with deep carmine blush.

Elberta. Large, yellow, with red cheek; flesh yellow, firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. The leading market variety.

Late Crawford. A superb, large, yellow peach.

Mathews (Dr. Funk's strain). Very similar to Elberta but of better quality.

Old Mixon Free. Large, pale yellow, deep red cheek, white flesh, tender, rich, good.

Roberta (Late Elberta). Ripens 10 days to 2 weeks later than Elberta which it resembles very closely.

Stump. Large, white, bright red cheek.

Salway. A late yellow variety. Latter part of September.

Iron Mountain. Ripens September 15 to October 1. Fruit is of large size; color, white.

APRICOTS

	Each	Per 10
4 to 6 ft.....	\$.85	\$7.50
3 to 4 ft.....	.75	6.00

Early Golden. Small, pale orange, juicy and sweet.

Dallas. Fruit large, round, early, deep yellow with a fine blush; flesh yellow, firm, juicy and excellent. Tree hardy, a good grower.

Royal. Large, yellow, juicy, rich and delicious; a very fine variety.

CHERRIES

	Each	Per 10
5 to 7 ft.....	\$.85	\$7.50
4 to 6 ft.....	.75	6.50
3 to 4 ft.....	.65	5.50

SWEET CHERRIES

Bing. Very large, dark brown—almost black; flesh firm, sweet, rich and delicious. One of the most profitable sorts. July.

Black Tartarian. Very large, black, juicy. Last of June.

Gov. Wood. Large, light red, juicy, rich, delicious. Tree healthy and productive. June.

Napoleon. Large, pale yellow or red; firm, juicy, sweet and productive. July.

Schmidt. Immense size, deep black; flesh dark, tender, very juicy, fine flavor; productive. July.

Windsor. Fruit large, liver-colored, distinct; flesh remarkably firm and of fine quality. Tree hardy and prolific. A valuable late variety. July.

Yellow Spanish. Large, yellow and red. June.

SOUR CHERRIES

Early Richmond. Medium, dark red, melting, juicy, sprightly, rich acid.

English Morello. Fair size, blackish red, rich acid.

Montmorency. Large, deep cherry red, very tender and juicy. It is the best variety for home and market. It ripens at the close of the Early Richmond season, and is of better size than that variety; more meaty and of richer flavor.

PEARS

	Each	Per 10
5 to 7 ft.....	\$.85	\$7.50
4 to 6 ft.....	.75	6.50
Dwarf Pear 4 to 5 ft.....	.75	6.50

Bartlett. Season last of August to September 15th. Good strong grower, flesh is white, fine grained, luscious, large and buttery, has a rich melting flavor and very sweet.

Clapp's Favorite. Summer. Fruit large, yellow lemon color, spotted with brown dots; flesh fine, rich and sweet. A very good one.

Duchesse. Very large, buttery, rich, juicy, excellent. It succeeds to perfection and is the most popular market variety as a dwarf. Oct. and Nov.

Kieffer. Its large size, handsome appearance, and remarkable keeping and shipping qualities make it very profitable for market. Oct. and Nov.

Seckel. Small; skin rich yellowish brown when fully ripe, with deep brownish red cheek; flesh very fine-grained, sweet, exceedingly juicy, melting, buttery; one of the richest and highest flavored pears known. Sept. and Oct.

Sheldon. A large, round, russet and red pear of very fine quality; melting, rich, delicious. Tree vigorous, erect, handsome; bears well and should be more largely planted. October.

PLUMS

	Each	Per 10
5 to 7 ft.....	\$.85	\$7.50
4 to 6 ft.....	.75	6.50
3 to 4 ft.....	.60	5.00

Abundance. One of the oldest and best varieties; hardy, productive. Fruit large, lemon yellow, with heavy bloom; good quality. Aug.

Burbank. Most profitable among growers for market. Ripens 10 days after Abundance. Tree hardy.

October Purple. A strong, vigorous grower, hardy, productive, of good quality; a large, round, late purple plum, especially recommended for late market.

Red June. One of the vigorous, upright growers; productive; fair size, vermillion red; pleasant quality. Ripens a week before Abundance. Aug.

Climax. One of the best of the large, early sweet plums, ripening ahead of other varieties, which makes it a very valuable market sort. July.

Gold. Large, oval, bright yellow; rich, juicy, fine quality. A good grower.

Bradshaw. A very large and fine early plum, dark violet red, juicy and good. Very productive; valuable for market. The tree is very hardy and vigorous. Middle of August.

German Prune. Large, dark purple, sweet, good. One of the most popular for canning, because of its sweetness. September.

Italian Prune. Good size, purple, juicy, delicious, fine for drying. September.

Imperial Gage. Large, pale green, juicy, sweet, rich, and excellent. August.

Satsuma (Blood). Large, globular, with sharp point. Color, purple and red with blue bloom; flesh firm, juicy, dark red or blood color, fine quality; pit very small. Hardy and vigorous grower. August.

QUINCES

	Each	Per 10
4 to 5 ft.....	\$.85	\$7.50
3 to 4 ft.....	.75	6.50

Orange. Fruit large, bright yellow, of excellent quality.

Champion. A prolific and constant bearer of oval fruit, averaging larger than Orange and ripening later. Long keeper.

Meech Prolific. A vigorous grower and immensely productive of large, orange-yellow fruit of delightful flavor and fine cooking quality.

SMALL FRUITS**GRAPES (2 years)**

	Each	Per 10	Per 100
Brighton. Red, high quality, large....	\$.25	\$2.00	\$15.00
Concord. The leading black variety.	.25	2.00	12.00
Moore's Early. Good, early, black..	.25	2.00	15.00
Niagara. The standard white grape.	.25	2.00	15.00
Worden. Earlier than Concord, sweeter.....	.25	2.00	15.00
Caco, New, red.....	.75	6.00	

ASPARAGUS

	Per 10	Per 100	Per 1000
Palmetto. Old reliable, 2 year.....	.25	1.50	10.00
Washington. New variety, 2 year...	.25	1.50	10.00

STRAWBERRIES

	Per 10	Per 100	Per 1000
Premier. One of the best, early, productive.....	.25	1.25	7.00
Haoverland. Light color, long berry..	.25	1.25	7.00
Big Joe. Large, medium late.....	.25	1.25	7.00
Chesapeake. Large, late, good quality	.25	1.50	8.00

RASPBERRIES

	Per 10	Per 100
Cuthbert. Standard red.....	.75	4.00
Latham. New red.....	1.00	6.00
St. Regis. Everbearing red.....	.75	4.00
Cumberland. Very profitable, black.....	.75	4.00
Plum Farmer. Black .....	.75	4.00

BLACKBERRIES

	Per 10	Per 100
Eldorado. Hardy, vigorous, productive.....	.75	6.00
Blowers. Splendid new sort.....	.75	6.00

CURRENTS (2 years)

	Each	Per 10	Per 100
Cherry. Large berries, short bunch..	.25	2.00	15.00
Fays. Old leading market variety...	.25	2.00	15.00
Wilder. Better than Fays.....	.25	2.00	12.00
White Grape. Large, yellowish white	.25	2.00	15.00

GOOSEBERRIES (2 years)

	Each	Per 10	Per 100
Downing. Large, pale green, very good.....	.25	2.00	15.00
Houghton. Medium, pale red, sweet.	.25	2.00	15.00

RHUBARB

	Each	Per 10	Per 100
Linnaeus. Old reliable kind.....	.20	1.50	10.00

Old English

Lawn Seed

Makes Better Lawns!

You will agree that a lawn of rich velvet green adds much to the beauty of your home. There is something inviting in a stretch of even green.

You can enjoy the charm of such a lawn by using "Old English Lawn Seed" and giving it the proper attention. This mixture has been used for twenty years on many fine estates, golf courses and on government and city grounds.

We heartily recommend it for your use.

Prices

Old English Lawn Seed	
1-lb.	\$0.50
5-lb.	2.00
20-lb.	7.00

For your protection this seal appears on every bag and package.



Shady Spot

Shady Spot	
1-lb.	\$0.65
10-lb.	5.00

SUPPLIES

SUNOCO SPRAY OIL

For the control of Aphis, Red Mite, Scale and Apple Red Bug. An efficient remedy for Red Spider on evergreens, scale and other insects on ornamentals. Directions for uses will be sent upon request.

50 gallons in drum @ .48	24.00
30 gallons in drum @ .56	16.80
15 gallons in drum @ .65	9.75
5 gallons in can @ \$1.00	5.00
1 gallon in can	1.25

PEAT MOSS

Valuable for mulching and mixing with soil in ornamental plantings, gardens, lawns, etc. GPM.

Splendid litter for poultry houses. Bale covers 240 square feet one inch deep. OKPL.

These brands assure you best quality.

1 Bushel	\$.50
½ Bale	2.00
1 Bale	3.50

Larger quantities, prices on application.

SOIL

Carefully selected top-soil rich in plant food.

100 Lbs.....	\$.50
500 Lbs.....	2.00
1000 Lbs.....	3.50
2000 Lbs.....	6.00

BLOOMAID

For Flowers • Shrubs • Vegetables

If you want your flowers to bloom earlier and longer, your shrubs and hedges to be greener, thriftier, we recommend that you use Bloomaid. Brings blooms ten days to two weeks earlier—makes plants double the size of those not treated.

Use it in the vegetable garden, around shrubs and to enrich the soil in window boxes and flower pots.

Fifteen times as rich as manure; does not bring in weed seed or the spores of plant diseases.



Bloomaid Prices

Tablet Form (125 Tablets)	\$.25
Liquid Form (8-oz. Bottle) .....	.50
Pulverized Form:	
1-lb. Can.....	.25
5-lb. Container .....	.50
25-lb. Bag.....	1.75
100-lb. Bag.....	5.00

V-C FAIRWAY FERTILIZER

For Lawns and Grass

To have a lawn of closer, faster-growing grass that resists drought, stays greener—constantly thickens and spreads—use V-C Fairway Fertilizer.

This is the treatment now used on the lawns of country estates, polo fields and on the most famous golf courses.

Fifteen times as rich as manure; costs not more than 10 cents for each 100 square feet to be treated. Practically no odor.

Prices

100-lb. Bag (enough for 5,000 sq. ft.)	\$5.00
50-lb. Bag (enough for 2,500 sq. ft.)	3.00
25-lb. Bag (enough for 1,250 sq. ft.)	1.75
10-lb. Bag (enough for 500 sq. ft.)	1.00

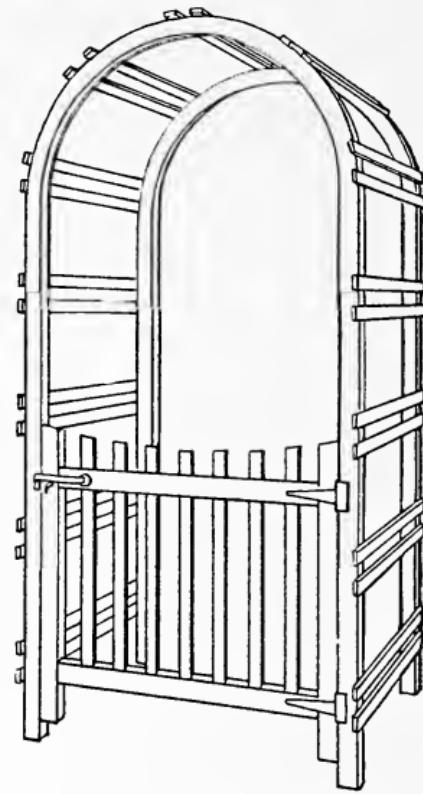
Convenient, easy to handle. Complete directions for lawn treatment on every bag.



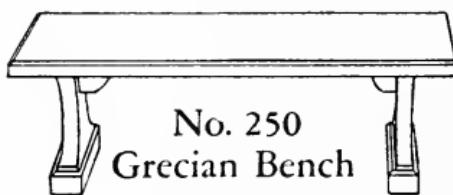
WOOD AND CONCRETE LAWN AND GARDEN FURNITURE

Lawn Benches, Bird Baths, Flower Boxes, Urns, Arbors, Trellises, Pergolas, etc.

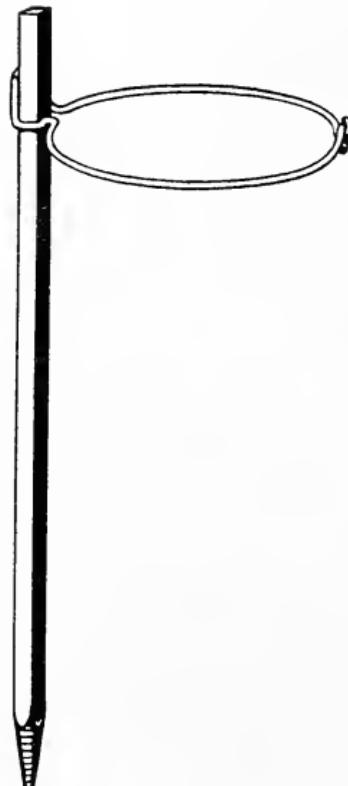
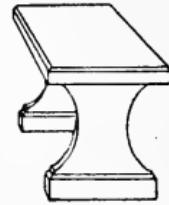
Prices and illustrated folder upon request.



No. 166 Arched Gateway



No. 250
Grecian Bench



Adjusto Plant Support

It does what it says—

Saves your plants

Saves your space

Saves your time

Prices—

3 ft. height.....	2.40 per doz.
4 ft. height.....	3.00 per doz.
5 ft. height.....	3.60 per doz.

INSTRUCTIONS TO PURCHASERS

How to Figure Your Order. One to four trees or plants of one variety sold at the each rate; 5 to 25 of one variety at the ten rate; 25 to 250 of one variety at the 100 rate; 250 or more at the 1000 rate.

Orders. Orders should be sent in just as soon as possible after receiving catalog. By placing orders early you are more certain of getting the varieties wanted, as late in the season we are usually sold out of some of the varieties. If ordered early we can reserve the stock until you want it shipped.

Shipping. We have the Pennsylvania and Reading Railroads and the Lancaster Trolley system, and can ship in any direction with the probability of prompt arrival at destination. All shipments travel at the cost and risk of the purchaser.

Truck Deliveries. Truck load orders will be delivered free, reasonable distances; long hauls and smaller orders delivered by special arrangement. We are well equipped to give good truck service.

Guarantee. We guarantee all stock to be strictly first class and true to name and will upon proper proof refund the purchase price, or replace any stock which proves otherwise. It is understood and agreed that we will not be held responsible for any greater sum than the cost of the stock, should any prove untrue. We strive to avoid mistakes and believe that we are as exact as any in the business.

Our nurseries are inspected every year and every shipment will be accompanied by a Certificate of the State Examiner.

Replacements. We guarantee all stock we sell to be strictly first class and TRUE TO NAME, dug and packed properly for shipment; we do not charge a price for a tree that, should it die, we could replace it and then still make a profit. Stock often perishes when it is not properly planted and cultivated; also the severe cold and heavy storms of Winter and droughts of Spring and Summer, which are liable to occur, will sometimes cause the best of stock to perish, which is no fault of ours.

It is impossible for us to guarantee trees and plants to live, as this altogether depends on weather conditions and how stock is planted and cared for after planting. The conditions which prevail after stock leaves our hands are such that it is just as impractical for a Nurseryman to guarantee a tree or plant to live as it would be for your best neighbor to sell you a horse or other live stock and guarantee it to live. We can only guarantee to send you good stock up to grade represented, full of life and true to name. Upon request we will furnish 16-page planting booklet with every order.

Terms Cash, except when expressly agreed otherwise.

Substitution. When sold out of a variety of trees or plants we frankly say so, and when you allow us to substitute we will send a variety similar to the one ordered, as good or better; as we know the many varieties, our substitution, if any, will be of advantage. Late in the season we are sometimes sold out of some varieties of stock; thus when sending your order it is to your advantage to say whether we may substitute or not, that we may get the order off promptly, before the season is too far advanced for successful planting. If you do not wish to exercise this right, please mark your order sheet plainly NO SUBSTITUTION.

Prices. The prices quoted in this catalog are F.O.B. Nurseries, except where otherwise noted.

We do not run a regular agency, but some of our stock is sold to dealers, florists and agents, and we are not responsible for their prices nor for any promises made other than those found in our "Instructions to Purchasers."

ROOT'S NURSERIES, INC.

Phone, Landisville 104-R-13.

R. D. 1, Manheim, Pa.

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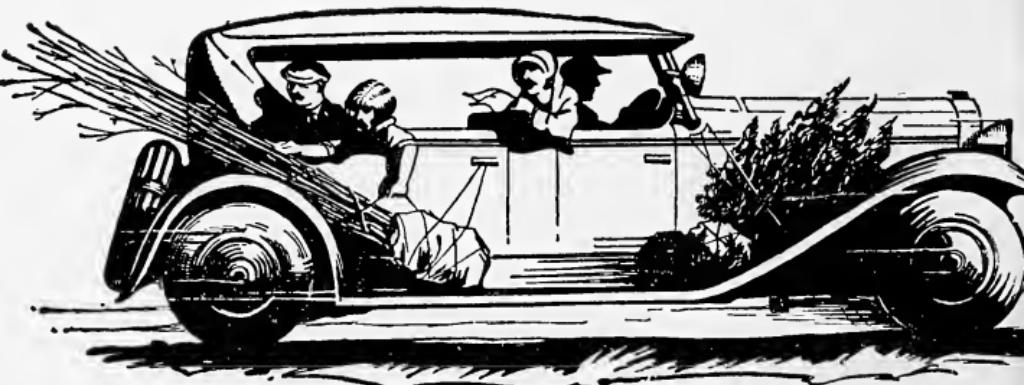
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Plant names used in this catalog conform, for the most part, with "Standardized Plant Names," adopted by The American Joint Committee on Horticultural Nomenclature.

Members American Association of Nurserymen, Eastern Nurserymen's Association, Pennsylvania Nurserymen's Association, etc.

MEMORANDA



You are invited to visit our nurseries, and select your stock before it is dug.

SUCCESSFUL PLANTING AND CARE OF STOCK

CARE

The bundles should be opened immediately, the roots dipped in water, then heeled in moist ground so that the mellow earth will come in contact with the roots and thoroughly protect them from the air, having the earth tramped solid about them.

When ready to plant, take up only a few at a time, puddle the roots and do not allow them to lie exposed to the sun or air.

The ground should be carefully prepared by deep plowing and firming down with a disc and harrow.

PLANTING

The holes for planting must be large enough to receive the roots freely, without cramping or bending them from their natural position. All broken or mutilated portions of the roots must be cut off so as to leave the ends smooth and sound. All trees should be planted two or three inches deeper than they stood in the nursery row; pack the soil very firmly about the roots by tamping with the feet or post tamper, being careful not to bark or break the roots. Leave three inches of the surface soil loose to serve as a mulch. If the ground is very dry, apply one to two pails of water before this soil mulch is in place, and after the water has soaked away it can then be placed over the moist soil.

NUMBER OF TREES OR PLANTS TO THE ACRE

40 feet apart each way.....	28
30 feet apart each way.....	48
20 feet apart each way.....	110
18 feet apart each way.....	135
15 feet apart each way.....	205
12 feet apart each way.....	300
10 feet apart each way.....	435
8 feet apart each way.....	680
6 feet apart each way.....	1,210
5 feet apart each way.....	1,745
4 feet apart each way.....	2,725
3 feet apart each way.....	4,840

Rule—Multiply the distance in feet between the rows by the distance the plants are apart in the rows, and the product will be the number of square feet for each plant, which, divided into the number of square feet in an acre (43,560), will give the number of plants or trees to the acre.

SUITABLE DISTANCE FOR PLANTING

Apples—30 to 40 feet apart each way.

Standard Pears and Cherries—20 feet apart each way.

Plums, Peaches and Apricots—16 to 18 feet apart each way.

Dwarf Pears and Quinces—10 to 12 feet apart each way.

Grapes—rows of 10 to 16 feet apart; 7 to 10 feet in rows.

Currants and Gooseberries—4 feet apart.

Raspberries and Blackberries—3 to 4 by 5 to 7 feet.

Strawberries, for field culture—1 by 3 to 3½ feet.

Strawberries, for garden culture—1 to 2 feet apart.

Asparagus, for field culture—18 to 24 inches by 3½ to 4 feet.

Asparagus, for garden culture—18 to 24 inches apart each way.

